



## SEQUENCE LISTING

<110> Shionogi & Co., Ltd.  
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Ochi, Takahiro  
Suzuki, Ryuji

<120> METHODS FOR ISOLATION OF OSTEOCLAST PRECURSOR CELLS AND INDUCING THEIR  
DIFFERENTIATION INTO OSTEOCLASTS

<130> 197679US0PCT

<140> 09/646,899

<141> 2000-10-10

<150> JAPAN 95962/1998

<151> 1998-04-08

<150> JAPAN 170407/1998

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<160> 2

<170> PatentIn version 3.1

<210> 1

<211> 467

<212> DNA

<213> Homo sapiens

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<221> CDS

<222> (28)..(309)

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			1				5					

gtg	ctc	ctg	gcc	tcc	ctc	ctg	agt	ctc	cac	ctt	gga	act	gcc	aca	cgt	102
Val	Leu	Leu	Ala	Ser	Leu	Leu	Ser	Leu	His	Leu	Gly	Thr	Ala	Thr	Arg	
10					15					20					25	

ggg	agt	gac	ata	tcc	aag	acc	tgc	tgc	ttc	caa	tac	agc	cac	aag	ccc	150
Gly	Ser	Asp	Ile	Ser	Lys	Thr	Cys	Cys	Phe	Gln	Tyr	Ser	His	Lys	Pro	
				30					35					40		

ctt	ccc	tgg	acc	tgg	gtg	cga	agc	tat	gaa	ttc	acc	agt	aac	agc	tgc	198
Leu	Pro	Trp	Thr	Trp	Val	Arg	Ser	Tyr	Glu	Phe	Thr	Ser	Asn	Ser	Cys	
			45					50					55			

tcc	cag	cgg	gct	gtg	ata	ttc	act	acc	aaa	aga	ggc	aag	aaa	gtc	tgt	246
Ser	Gln	Arg	Ala	Val	Ile	Phe	Thr	Thr	Lys	Arg	Gly	Lys	Lys	Val	Cys	

60

65

70

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 Thr His Pro Arg Lys Lys Trp Val Gln Lys Tyr Ile Ser Leu Leu Lys  
 75 80 85

act ccg aaa caa ttg tgactcagct gaattgtcat ccgaggacgc ttggaccccg 349  
 Thr Pro Lys Gln Leu  
 90

ctcttggtctc tgcagccctc tggggagcct gcggaatctt ttctgaaggc tacatggacc 409  
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Cys Cys Phe Gln Tyr Ser His Lys Pro Leu Pro Trp Thr Trp Val Arg  
 35 40 45

Ser Tyr Glu Phe Thr Ser Asn Ser Cys Ser Gln Arg Ala Val Ile Phe  
 50 55 60

Thr Thr Lys Arg Gly Lys Lys Val Cys Thr His Pro Arg Lys Lys Trp  
 65 70 75 80

Val Gln Lys Tyr Ile Ser Leu Leu Lys Thr Pro Lys Gln Leu  
 85 90